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# [Guide] Bevi Alert Center - Waterblock upgrade required

## Overview

You have been directed to this page because you have encountered a Machine Alert that indicates this machine requires a WaterblockRetrofit This document will outline how to replace a waterblock in a Bevi 1.x or Countertop Series Machines.

## Why do I need to do a waterblock upgrade?

Bevi is transitioning from the use of a plastic fitting to a metal fitting on the waterblock. This will decrease the likelihood of a leak in the field.



Old Waterblock with Plastic Fitting



New Waterblock with Metal Fitting

## FAQs

- **Why does the plastic fitting need to be replaced?**
  - The plastic fittings currently installed on the waterblock have shown to be the cause of leaks in the field.
- **How long after installation does the fitting typically fail? -**
  - There is no indication which fittings fail and when.
- **Is there a chance that the metal fittings will have the same issue?**
  - Bevi tested the metal fittings and was not able to invoke any failures when installed in accordance with the procedure below.
- **Which Standup units need this fitting replacement?**
  - Only the V1.0 and V.75 Units need to have the fitting replaced on the waterblock. V1.5 units do not have waterblocks.

## Parts Required

Water Block - Metal Fitting - Elbow In: 107645-01 (if performing full water block assembly replacement)

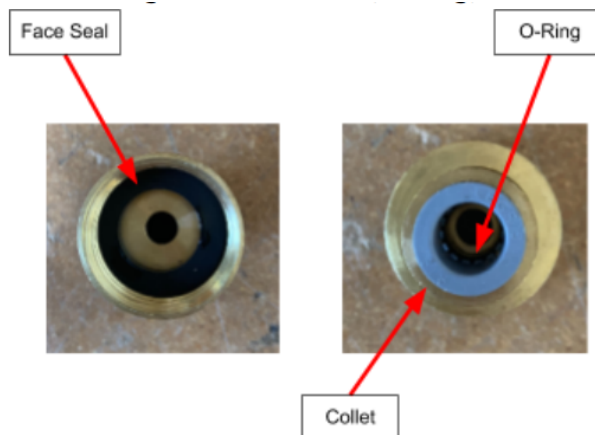


Brass Garden Hose Adapter, 3/8" Tube x 3/4" FGH: 350-0113 (if performing only fitting replacement)



## Task 1 - Initial Inspection of Fitting

Inspect the brass fitting for the face seal, O-ring, and collet.

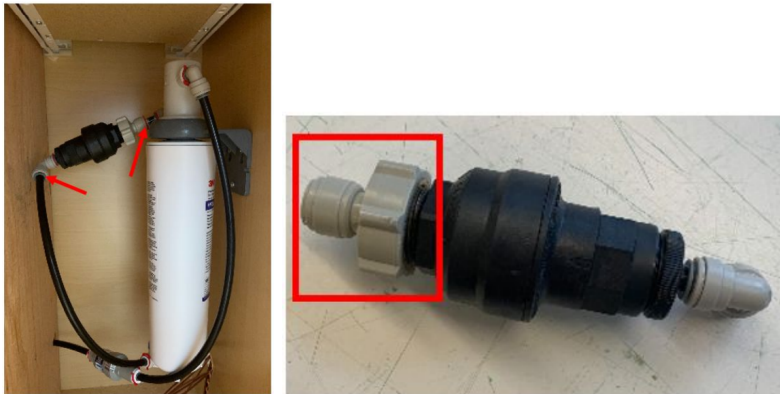


## Task 2 - Turn off water to the system. -

- Dispense water from the head unit to relieve pressure

## Task 3 - Locate and remove the waterblock

- Locate the waterblock in the cabinet of either inside the Standup 1.x unit or in the cabinetry the Countertop equipment is located. The waterblock is typically located next to the filter.
- Remove the (2) red locking clips on either side of the waterblock and detach the tubing from the fittings. - Remove the waterblock from the system and remove the plastic fitting.



## Task 4 - Inspect the waterblock for wear.

- Check the threads on the waterblock. If any are broken, replace the entire waterblock.



- b. Inspect the tubing on either side of the waterblock fittings. If worn, either replace or cut the current tube to a fresh portion of the tube.
  - i. NOTE: Do not cut tube at an angle
- c. After the tubing has been inspected, mark the tube used for the fitting  $\frac{7}{8}$ " (.875") from the cut end. This step will ensure full insertion of the tubing into the fitting when the water block is reinstalled.



### Task 5 - Prepare the waterblock for re-installation

- a. Set the gallon setting on the waterblock to 3. NOTE: The 3 and 8 look very similar in the small script on the waterblock, so double check that the arrow is pointing towards the 3.

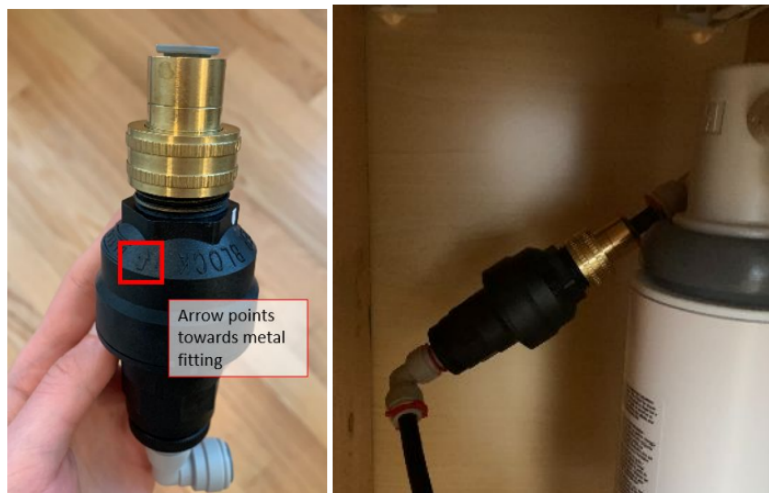


- b. Tighten metal fitting until hand tight and mark the waterblock and fitting to indicate this position. Then tighten  $\frac{1}{4}$  to  $\frac{1}{2}$  turn past the first resistance. The measured gap between fitting and waterblock should be between 0.18" and 0.20".



### Task 6 - Reinstall the waterblock with the new fitting

Reinstall the waterblock with the new fitting in the cabinet and reconnect the (2) red locking clips. - The arrow on the waterblock points in the direction of waterflow, which should be pointing into the filter.



**NOTE:** After reinserting the waterblock, the tube markings created earlier should be visible at the edge of the fitting

### Task 7 - Turn the water to the unit back on and inspect

- Turn on the water and observe the waterblock. Check for drips over the course of 5 minutes. If any drips are present, tighten the fitting an additional  $\frac{1}{4}$  turn.
- If drips are still present, call tech support.